

Date: Sun, 31 Jul 94 23:41:14 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #861  
To: Info-Hams

Info-Hams Digest                      Sun, 31 Jul 94                      Volume 94 : Issue    861

Today's Topics:

                    (none) (9 msgs)  
                    Ampr/Internet  
                    Persieds Meteor shower  
                    Ramsey SlyFox  
                    What to do with old OST's

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

-----  
Date: Sun, 31 Jul 1994 15:08:40 GMT  
From: utcsri!helios.physics.utoronto.ca!NorthNet.org!down@uunet.uu.net  
Subject: (none)  
To: info-hams@ucsd.edu

-----  
Date: Sun, 31 Jul 1994 15:09:34 GMT  
From: utcsri!helios.physics.utoronto.ca!NorthNet.org!down@uunet.uu.net  
Subject: (none)  
To: info-hams@ucsd.edu

Hi all,

Our school is interested in creating some detailed maps of the forest in  
our area. The maps will be used for orienteering (kind of like cross

country running through the woods, using a map and a compass to locate checkpoints) They need to show fairly small details, and I wonder what kind of results we could get with simple RDF equipment.

Here's what I'm thinking of using:

Three simple, crystal controlled, low-power (solar?) transmitters located at well-known places on the perimeter of the course. A moveable receiver with a directional antenna, used to find a bearing to each beacon. To locate boulders, downed trees, mudholes and other relatively small features someone would go to them, find the bearing to all three beacons, and later locate the features on a master map by triangulation. I thought maybe a digitized signal-strength value might be a good way to determine the right bearings. (I have some suitable A/D hardware for this already.)

The questions are: (not necessarily in the right order :-)

1. Are there schematics, or better yet PCB artwork for the above tx/rx ?
2. What frequency is generally used for this purpose?
3. Most importantly, how accurate can the results be with a fairly modest outlay of funds for construction?

I'd like to enlist the Science Club in building the equipment, so circuits designed around microcontrollers might be a bit too complex! If there is ftp-able info on this subject, I would greatly appreciate hearing about it. I don't have access to indices of QST or 73, but if there have been articles about such equipment I could probably locate the magazines.

Thanks in advance to all who respond,

Pat Ferrick  
Science Teacher, Town of Webb School  
Old Forge, NY

(using K. Down's account temporarily)

ps- we'll also need some mapmaking software eventually, if you know of any (preferably public) sources by all means let me know!

-----

Date: 1 Aug 94 02:23:38 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: (none)  
To: info-hams@ucsd.edu

Subscribe verm\_in2%leeca4@mec.ohio.gov

-----  
Date: 1 Aug 94 05:57:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: (none)  
To: info-hams@ucsd.edu

>From postmaster Mon Aug 1 01:57:14 1994  
Subject: smtp mail warning  
Content-Type: text  
Content-Length: 2012

Your mail to wpsmtp is not yet delivered.  
Delivery attempts continue.

----- diagnosis -----  
----- unsent mail -----

-----  
Date: 1 Aug 94 05:56:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: (none)  
To: info-hams@ucsd.edu

>From postmaster Mon Aug 1 01:56:08 1994  
Subject: smtp mail warning  
Content-Type: text  
Content-Length: 2017

Your mail to wpsmtp is not yet delivered.  
Delivery attempts continue.

----- diagnosis -----  
----- unsent mail -----

-----  
Date: 1 Aug 94 06:10:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: (none)  
To: info-hams@ucsd.edu

>From postmaster Mon Aug 1 02:10:05 1994  
Subject: smtp mail warning  
Content-Type: text  
Content-Length: 2011

Your mail to wpsmtp is not yet delivered.  
Delivery attempts continue.

----- diagnosis -----  
----- unsent mail -----

-----  
Date: 1 Aug 94 06:18:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: (none)  
To: info-hams@ucsd.edu

>From postmaster Mon Aug 1 02:18:58 1994  
Subject: smtp mail warning  
Content-Type: text  
Content-Length: 2031

Your mail to wpsmtp is not yet delivered.  
Delivery attempts continue.

----- diagnosis -----  
----- unsent mail -----

-----  
Date: 1 Aug 94 06:16:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: (none)  
To: info-hams@ucsd.edu

>From postmaster Mon Aug 1 02:16:20 1994  
Subject: smtp mail warning  
Content-Type: text  
Content-Length: 2033

Your mail to wpsmtp is not yet delivered.  
Delivery attempts continue.

----- diagnosis -----  
----- unsent mail -----

-----  
Date: 1 Aug 94 06:14:00 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: (none)  
To: info-hams@ucsd.edu

>From postmaster Mon Aug 1 02:14:27 1994  
Subject: smtp mail warning  
Content-Type: text  
Content-Length: 2087

Your mail to wpsmtp is not yet delivered.

Delivery attempts continue.

----- diagnosis -----

----- unsent mail -----

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Date: 31 Jul 1994 03:31:23 GMT

From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!europa.eng.gtefsd.com!

newsxfer.itd.umich.edu!montego!condor.ic.net!grex.cyberspace.org!

mcs@network.ucsd.edu

Subject: Ampr/Internet

To: info-hams@ucsd.edu

The site in Detroit (hamgate.merit.edu), is available just by telneting to it, however, you need to have the new user password.

I can't give out the password, but write e-mail to either wb8tkl@merit.edu for it.

-----

Nicholas McLarty, KB8RBF/5

mcs@cyberspace.org

kb8rbf@merit.edu

Waterford, Michigan

GreX Cyberspace

WB8TKL Hamgate

For public key, finger mcs@cyberspace.org or e-mail me at an address above

PGP Fingerprint C8 8D 9A D6 E2 7A BE 61 63 D5 11 6B 5F AC 7E 2B

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Date: Sun, 31 Jul 94 19:30:00 -0800

From: iat.holonet.net!megasys!tim.marek@uunet.uu.net

Subject: Persieds Meteor shower

To: info-hams@ucsd.edu

Hello fellow VHFers... I, NC7K, will be QRV from DM19 and DM09 in the upcoming Persieds Meteor shower. Primarily looking for 2M skeds, But I will have 50 and 432 Mhz with me as well. Leaving work Mid day Tuesday August 9th Im driving out to a 10,000 Ft. mtn above Austin, NV in DM19. QRV from 03:00Z 8/10 thru 22:00Z 8/11. Then I'll move back to 8,300 FT. Virginia Peak in DM09 where I'll be QRV from 04:00Z 8/12 thru 01:00Z 8/15.

.  
QRZ SKEDS... QRZ SKEDS... QRZ SKEDS...

.  
Throughout all this I will be QRV 3.818 Nites and 14.345 Days for HF liason. I will take skeds via UseNet, (702)322-4200 Days, (702)972-4722

Nights till 8/8/94. 73s es GL. Tim - NC7K...sk

-----  
Date: Sun, 31 Jul 94 07:37:27 PDT  
From: portal.com!portal!cup.portal.com!JoeMoell@uunet.uu.net  
Subject: Ramsey SlyFox  
To: info-hams@ucsd.edu

Wow, my SlyFox review was one of the most controversial columns I've written in almost 6 years with 73 Magazine! Between the comments here and the ones I got at the swap meet today, it's clear that almost everybody disagreed. Half thought I was too hard on Ramsey and the other half thought I wasn't tough enough. Nobody was in the middle. The opinions expressed in this newsgroup are interesting, but it appears that none of the posters have actually built this kit. If any have, please tell me your own experiences---i'm interested.

A couple of posts require corrections:

7/25/94 33/1735 Cecil\_A\_Moore@ccm.CH.INTel.COM (Cecil A Moore) writes:  
>It is a sad day in ham radio when kit-builders complain that they  
>shouldn't have to pinch or spread coils that they had to wind for a kit.  
>If you can't achieve resonance in a final by adjusting the capacitor,  
>then you must adjust the coil... an extremely simple concept. Should a  
>kit manual also be required to teach the physics that hams are supposed  
>to know in order to pass their ham tests?

There was no such complaint. Not every ham is savvy about RF, and it's important to keep the novice builder in mind when reviewing a kit.

In the SlyFox manual, the transmitter tuneup first peaks the two triplers, using two test points. Then there are only two steps that instruct the builder how to tune the final stage. I hope Mr. Ramsey will not mind if I quote them:

"9. You should now be able to see RF power at the output antenna jack, J1. Adjust capacitor C12 for maximum RF power output. Connect your voltmeter to TP3 and peak for maximum DC voltage.

10. Slightly spread or compress coils L3 and L7 to maximize output power. Power should be at least 4 watts with a 12 volt power source."

That's it, folks. The next step calls for a check of power in the low power position. By the way, there is no mention of a wattmeter in the first five steps of the testing section, which list the items necessary for tuning.

The important point is that there is nothing in any step anywhere in the

manual to tell the builder to make any adjustments to L2 and L4 after they are installed. Cecil, I did achieve a nice "resonant" peak on the capacitor when I followed Ramsey's directions. In other words, everything appeared to be fine, on the surface. Anyone building the kit and using the suggested light bulb load would have seen plenty of brilliance. But the kit had low power and high harmonics that way, which the novice builder would have been unaware of.

7/27/94 42/1700 Cecil\_A\_Moore@ccm.hf.intel.com writes:

>Looks as if the guy who wrote the article in 73 didn't bother  
>to read the manual just like you didn't bother to read the followups.

Not so---see above. The manual was followed exactly. I probably would have found the problem sooner except that the other problem (low tripler test point voltages) led me to concentrate my efforts on the triplers instead of the final. (If that sentence doesn't make sense, read my article for the details.)

7/26/94 8/346 jramsey@delphi.com writes:

>Cecil, The manual clearly states to spread the coils for max power output.  
>We purposely have the coils wound with a 'tad' too much inductance - it's  
>easier to spread the coils a bit than to have to add more turns!

Not exactly correct, as can be seen from above. The manual instructs tuning of L3 and L7, but not L2 and L4.

Joe Moell K00V  
JoeMoell@cup.portal.com

-----  
Date: Sat, 30 Jul 1994 04:55:03 GMT  
From: news.Hawaii.Edu!kahuna!jeffrey@ames.arpa  
Subject: What to do with old OST's  
To: info-hams@ucsd.edu

In article <1994Jul29.193302.5355@ohstpy.mps.ohio-state.edu>  
jrobbins@ohstpy.mps.ohio-state.edu (James A. Robbins) writes:  
>Just a quick request. Are old QSTs worth anything? I'm looking to get rid  
>of a LARGE number of old ones (been a life member since the early 1970's)  
>Should I try to sell them, give them to a library, or just toss them out?  
>Thanks in advance.

Please please please donate them to a library that will recognize their worth, and not toss them out after a few years. Or, find a ham club in your area that will take care of them and make them available to members.

Jeff NH6IL  
jeffrey@math.hawaii.edu

-----  
Date: 31 Jul 1994 16:36:39 -0400  
From: news2.new-york.net!starcomm.overleaf.com!not-for-mail@uunet.uu.net  
To: info-hams@ucsd.edu

References <319m02\$qht@newstand.syr.edu>, <319onr\$h8u@hobbes.cc.uga.edu>,  
<MONTA.94Jul30012813@pixel.mit.edu>r-mail  
Subject : Re: REQUEST: Help finding WWV receiver!

Peter Monta (monta@pixel.mit.edu) wrote:

: There was someone who would occasionally post a "CHU preach"  
: on comp.protocols.time.ntp extolling the virtues of transmitting  
: time-code during seconds 31--39 in Bell 103 format, i.e., the  
: 300 bps modem format. An FSK receiver and some trivial glue  
: gets you a box with RS-232 time output. If you've already got  
: a radio, that's very low-cost time at roughly millisecond accuracy.  
: (Loran or GPS, though, at ~100 ns, is a \*big\* step up.)

Heathkit (Ahh, the memories come back...) used to have "The Most  
Accurate Clock" which would auto-lock to the strongest out of 5, 10  
and 15Mhz and had an optional RS-232 output.

I also remember seeing an ISA PC board setup, but much more  
expensive (\$500). I don't remember who made it.

Anyone seen products in this catagory?

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Date: (null)  
From: (null)  
Errors-To: info-hams-relay@ucsd.edu  
Sender: info-hams-relay@ucsd.edu  
Precedence: List  
Received: by ucsd.edu; id IAA01184  
    sendmail 8.6.9/UCSD-2.2-sun  
    Fri, 29 Jul 1994 08:40:47 -0700 for info-hams-ddist  
Message-Id: <199407291540.IAA01184@ucsd.edu>  
Date: Fri, 29 Jul 94 08:40:45 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@ucsd.edu  
Reply-To: Info-Hams@ucsd.edu  
Precedence: Bulk



Subject: Info-Hams Digest V94 #853  
To: Info-Hams@ucsd.edu

Info-Hams Digest                      Fri, 29 Jul 94                      Volume 94 : Issue    853

Today's Topics:

                                15mW QSO's  
                        6 Meters-New op needs advice.  
          AT&T's EO Inc. Disaster - Opportunity for Hams?  
                        Call Sign Server  
                        Contest mailing list?  
                        Converting a CB to a 10M?  
          Did someone say . . . bolus ?  
                        Glass antenna  
                        Hams from GSFC Ham Club  
                        Help with Jupiter signals  
                        May 1994 Callsign Update  
                        Note to all  
          REQUEST: Help finding WWV receiver! (2 msgs)  
                        WANTED:Program to run Yaesu FT757gx  
                        Whence QST (3 msgs)

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Date: Sun, 31 Jul 1994 13:47:45 GMT  
From: news.sprintlink.net!news.dorsai.org!bigsteve@uunet.uu.net  
To: info-hams@ucsd.edu

References <3161lg\$5s7@char.vnet.net>, <31bko8\$t2u@char.vnet.net>,  
<CtqH1D.1Mw@omen.COM>ors  
Subject : Re: Thanks for the Help

In article <CtqH1D.1Mw@omen.COM>, caf@omen.COM (Chuck Forsberg WA7KGX) wrote:  
> In article <31bko8\$t2u@char.vnet.net> AARON.HENDERSON.CMWAH01@NT.COM writes:  
> >Again it was frustrating to me that you have to spend so much for  
> >what used to cost about \$30.00 with the weather band included. But  
>  
> My Realistic TIMEKUBE does not include a weather band, nor does  
> it include 2.5 or 20 mHz, let alone CHU. Its discontinuance is  
> no great loss.

I do remember that RS did have a combo WWV/Weather cube, but it only lasted  
one catalog. This was about 15 to 20 years ago. Whenever RS comes up with



WANTED-MAST MOUNT 4 HD73 ROTOR  
What to do with old OST's

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Date: (null)  
From: (null)  
Errors-To: info-hams-relay@ucsd.edu  
Sender: info-hams-relay@ucsd.edu  
Precedence: List  
Received: by ucsd.edu; id TAA19473  
        sendmail 8.6.9/UCSD-2.2-sun  
        Fri, 29 Jul 1994 19:09:08 -0700 for info-hams-ddist  
Message-Id: <199407300209.TAA19473@ucsd.edu>  
Date: Fri, 29 Jul 94 19:09:06 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@ucsd.edu  
Reply-To: Info-Hams@ucsd.edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #855  
To: Info-Hams@ucsd.edu

Info-Hams Digest                      Fri, 29 Jul 94                      Volume 94 : Issue 855

Today's Topics:

    \* SpaceNews 01-Aug-94 \*  
        15mW QSO's  
    6 Meters-New op needs ad  
    antenna question (2 msgs)  
    Contest mailing list?  
    Lightbulb's as antennas?  
        orbs\$210.misc.amsat  
        orbs\$210.oscar.amsat  
    REQUEST: Help finding WWV receiver!  
    RFI from Heath "Big Ben" Chime Clock  
    Thanks for the Help (was: WWV request  
        Voltage of rechargeable 9V NiCd's?

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Date: (null)  
From: (null)  
Errors-To: info-hams-relay@ucsd.edu  
Sender: info-hams-relay@ucsd.edu  
Precedence: List  
Received: by ucsd.edu; id KAA01306  
        sendmail 8.6.9/UCSD-2.2-sun  
        Sat, 30 Jul 1994 10:09:13 -0700 for info-hams-ddist  
Message-Id: <199407301709.KAA01306@ucsd.edu>  
Date: Sat, 30 Jul 94 10:09:11 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@ucsd.edu  
Reply-To: Info-Hams@ucsd.edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #857  
To: Info-Hams@ucsd.edu

Info-Hams Digest                      Sat, 30 Jul 94                      Volume 94 : Issue   857

Today's Topics:

        15mW QSO's (2 msgs)  
        6 Meters-New op needs advice.  
        Call Sign Server (3 msgs)  
        Callsigns via e-mail?  
        GB0SNF...oops  
        ham humor  
        Info-Hams Digest V94 #843  
        Model rocket telemetry...  
        Note to all  
        PA3CXC/ST0 QSL Card (2 msgs)  
        Ramsey SlyFox  
        repeaters in the microwave bands  
        Simulcasting repeaters on same freq

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(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

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Date: (null)  
From: (null)  
Errors-To: info-hams-relay@ucsd.edu  
Sender: info-hams-relay@ucsd.edu  
Precedence: List  
Received: by ucsd.edu; id MAA02307  
        sendmail 8.6.9/UCSD-2.2-sun  
        Fri, 29 Jul 1994 12:09:33 -0700 for info-hams-ddist  
Message-Id: <199407291909.MAA02307@ucsd.edu>  
Date: Fri, 29 Jul 94 12:09:25 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@ucsd.edu  
Reply-To: Info-Hams@ucsd.edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #854  
To: Info-Hams@ucsd.edu

Info-Hams Digest                      Fri, 29 Jul 94                      Volume 94 : Issue 854

Today's Topics:

        Advice for an aspiring ham  
        Call Sign Server (2 msgs)  
    Computer radio - SoftWave by ComFocus - any good?  
        Extended Transceive For FT-470  
        FCC Address??  
        Good day to you all  
        Help with Jupiter signals  
        Lightbulb's as antennas?  
        PA3CXC/ST0 QSL Card  
    VHF TV freqs to be phased out? (2 msgs)  
    WANT: KW TS-430S filters/FM board  
        Whence QST

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Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
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-----  
Date: (null)  
From: (null)

Errors-To: info-hams-relay@UCSD.EDU  
Sender: info-hams-relay@UCSD.EDU  
Precedence: List  
Received: by ucsd.edu; id EAA17291  
    sendmail 8.6.9/UCSD-2.2-sun  
    Sat, 30 Jul 1994 04:30:14 -0700 for info-hams-ddist  
Message-Id: <199407301130.EAA17291@ucsd.edu>  
Date: Sat, 30 Jul 94 04:30:12 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@UCSD.EDU>  
Errors-To: Info-Hams-Errors@UCSD.EDU  
Reply-To: Info-Hams@UCSD.EDU  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #856  
To: Info-Hams@UCSD.EDU

Info-Hams Digest                      Sat, 30 Jul 94                      Volume 94 : Issue   856

Today's Topics:

                    CHICAGO HAM RADIO!  
    Computer radio - SoftWave by ComFocus - any good?  
                    GBOSNF  
    Need advice on towers  
        orbs\$210.2l.amsat  
        orbs\$210.micro.amsat  
        orbs\$210.weath.amsat  
    Wanted, Kenwood RZ-1 mods

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We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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End of Info-Hams Digest V94 #861  
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